

Surface Mount Type

SP-Cap

Series: **FD, CD, CX, UD, UE**

25-05995



■ Features

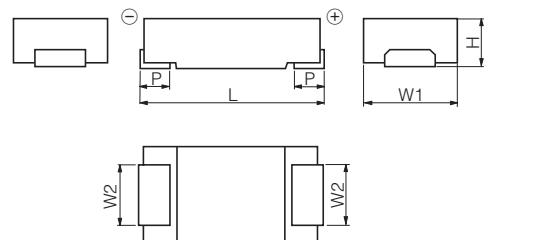
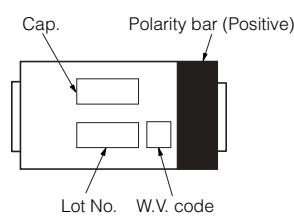
- Low ESR
- Excellent Noise-absorbent Characteristics
- RoHS directive compliant

■ Specifications

Series & Size Code	FD	CD	CX	UD	UE
Category Temp. Range	-40 °C to +105 °C				
Rated W.V.Range	2 V.DC to 12.5 V.DC	2 V.DC to 16 V.DC	2 V.DC to 6.3 V.DC	2 V.DC to 8 V.DC	2 V.DC to 8 V.DC
Nominal Cap.Range	15 µF to 68 µF	2.2 µF to 220 µF	100 µF to 560 µF	68 µF to 470 µF	100 µF to 560 µF
Capacitance Tolerance	±20 %				
DC Leakage Current	Reflow 240 °C : I ≤ 0.06 CV (µA) 2minutes (2 V.DC to 4 V.DC) I ≤ 0.04 CV or 3 (µA) 2 minutes (6.3 V.DC to 16 V.DC) (Whichever is greater)				
	Reflow 260 °C : I ≤ 0.1 CV (µA) 2 minutes				
tan δ	≤ 0.06 (120 Hz/+20 °C)				
Surge Voltage	Rated Working Voltage × 1.25 (15 °C to 35 °C)				
Endurance	After applying rated working voltage for 1000 hours at 105 °C±2 °C, and then being stabilized at +20 °C, capacitor shall meet the following limits.				
	Capacitance change	±10% of initial measured value			
	tan δ	≤ Initial specified value			
	DC leakage current	≤ Initial specified value			
Moisture resistance	After storing for 500 hours at 60 °C, 90 %				
	Capacitance change of initial measur'd value	2, 2.5 V.DC	4 V.DC	6.3 V.DC	8 V.DC to 16 V.DC
		+70, -20 %	+60, -20 %	+50, -20 %	+40, -20 %
	tan δ	≤ 200 % of initial specified value			
	DC leakage current	≤ Initial specified value			

■ Marking

■ Dimensions in mm(not to scale)



(mm)

Series & Size Code	L±0.2	W1±0.2	W2±0.1	H	P±0.3
FD	7.3	4.3	2.4	1.1±0.1	1.3
CD	7.3	4.3	2.4	1.8±0.1	1.3
CX	7.3	4.3	2.4	1.9±0.2	1.3
UD	7.3	4.3	2.4	2.8±0.2	1.3
UE	7.3	4.3	2.4	4.2±0.1	1.3

* Externals of figure are the reference.

